

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-50 (canceled)

Claim 51 (previously presented): A method for strengthening tissue of a subject comprising:

identifying a target region of tissue, the target region comprising at least one target layer;
applying an agent in combination with energy to the target region; and
inducing fibrosis in a target layer, to thereby strengthen the target tissue.

Claim 52 (previously presented): The method of claim 51, wherein the step of applying energy to the target region comprises irradiating the target region with X-ray irradiation in an amount effective to induce fibrosis in a target layer.

Claim 53 (previously presented): The method of claim 51, wherein the step of applying energy to the target region comprises irradiating the target region with UV irradiation in an amount effective to induce fibrosis in a target layer.

Claim 54 (previously presented): The method of claim 51, wherein the step of applying energy to the target region comprises irradiating the target region with IR irradiation in an amount effective to induce fibrosis in a target layer.

Claim 55 (previously presented): The method of claim 51, wherein the step of applying energy to the target region comprises irradiating the target region with microwave irradiation in an amount effective to induce fibrosis in a target layer.

Claim 56 (previously presented): The method of claim 51, wherein the step of applying energy to the target region comprises irradiating the target region with heat irradiation in an amount effective to induce fibrosis in a target layer.

Claim 57 (previously presented): The method of claim 51, wherein the step of applying energy to the target region comprises irradiating the target region with RF irradiation in an amount effective to induce fibrosis in a target layer.

Claim 58 (previously presented): The method of claim 51, wherein the method further comprises, administering a therapeutically effective amount of an agent to a subject, such that the agent is taken up by at least one target layer of the target region vessel wall.

Claim 59 (previously presented): The method of claim 58, wherein the method further comprises,

administering a therapeutically effective amount of photoactivatable agent, such that the photoactivatable agent is activated upon irradiation to induce fibrosis in a target layer.

Claim 60 (previously presented): The method of claim 51, wherein the target region is found in an artery, a vein, an ureter, an urethra, a bronchi, a biliary duct, a pancreatic duct, or eustatian, spermatic or fallopian tubes.

Claim 61 (previously presented): A method for increasing an adventitial area of tissue comprising:

administering a therapeutically effective amount of a photoactivatable agent to a subject, such that the agent is taken up by an adventitial area of a target tissue;

applying energy to the target tissue to react within the photoactivatable agent; and

increasing an adventitial area in the area of the target tissue.

Claim 62 (previously presented): The method of claim 61, wherein the step of administering a therapeutically effective amount of photoactivatable agent further comprises systemically administering the photoactivatable agent.

Claim 63 (previously presented): The method of claim 61, wherein the step of administering a therapeutically effective amount of photoactivatable agent further comprises locally administering the photoactivatable agent.

Claim 64 (previously presented): The method of claim 61, wherein the step of administering a therapeutically effective amount of photoactivatable agent further comprises administering a psoralen agent or derivatives thereof.

Claim 65 (previously presented): The method of claim 61, wherein the step of applying energy to the target tissue further comprises irradiating the target tissue internally using a light delivery catheter.

Claim 66 (previously presented): The method of claim 65, wherein the step of applying energy to the target tissue further comprises irradiating the target tissue internally using a light delivery catheter without occluding fluid flow.

Claim 67 (currently amended): The method of claim 61, wherein the step of applying energy to the target tissue further comprises irradiating the site of ~~[[the]]~~ an aneurysm externally using an external light delivery source.

Claim 68 (previously presented): The method of claim 61, wherein the step of applying energy to the target tissue further comprises irradiating the target tissue with UV irradiation.

Claim 69 (currently amended): A method for treating tissue of a subject comprising, applying an agent and irradiating a target region of tissue with UVC irradiation to accomplish an interaction between the agent and the UVC irradiation; and

inducing fibrosis or increasing an adventitial layer in at least one layer of the tissue.

Claim 70 (previously presented): The method of claim 69, wherein the step of irradiating the target region further comprises irradiating the target region internally using a light delivery catheter.

Claim 71 (previously presented): The method of claim 70, wherein the step of irradiating the target region further comprises irradiating the target region internally using a light delivery catheter without occluding fluid flow.

Claim 72 (previously presented): The method of claim 69, wherein the step of irradiating the target region further comprises irradiating the target region externally using an external light delivery source.

Claim 73 (previously presented): The method of claim 69, wherein the step of irradiating the target region further comprises irradiating the target region with UVC irradiation having a wavelength of about 240 to 370 nanometers.